

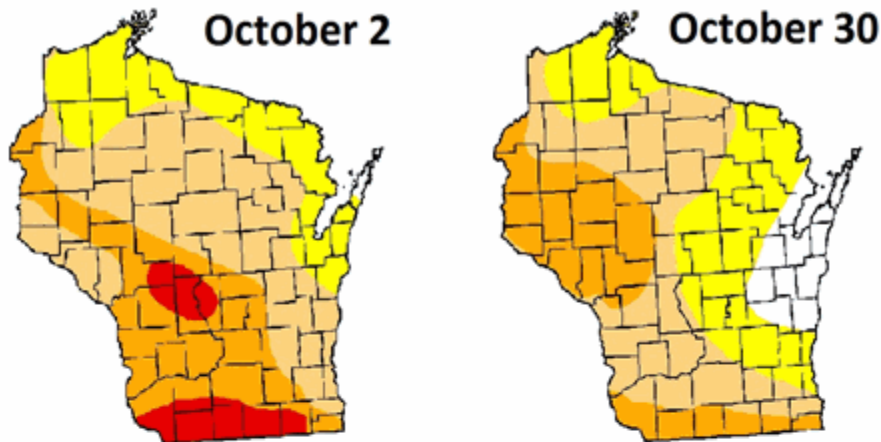
Storm Data and Unusual Weather Phenomena - October 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Southeast				
(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA				
	10/01/12 00:00 CST		0	Drought
	10/31/12 23:59 CST		0	

Above normal precipitation at many locations in October helped to ease the drought across southern Wisconsin. Several rounds of steady rain, as well as showers and a few thunderstorms, brought between 2.3 inches and 5.5 inches of rain to southern Wisconsin for the month. Monthly surpluses ranged from around 0.25 inch to nearly 2.5 inches above normal, though locations in far southern Wisconsin still saw deficits between 0.02 of an inch and 0.43 of an inch. The yearly precipitation deficits were still running between 4 and 8 inches below normal. By the end of October improvement in the drought was observed over all of southern Wisconsin. The far southern counties went from D3 (Extreme) down to D2 (Severe), with much of the South-central Wisconsin going from D2 (Severe) down to D1 (Moderate). Much of Southeast Wisconsin, which generally saw the highest amounts of precipitation for the month, went from D1 (Moderate) to either D0 (Abnormally Dry) or out of a drought category all together. This trend is reflected in the attached image which addresses all of Wisconsin. Monthly average temperatures for October were 1 to 2 degrees below normal. Agricultural experts indicated that crop yields would be reduced.

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Week	Nothing	D0-D4	D1-D4	D2-D4	D3-D4	D4
October 2, 2012	0.46	99.54	78.27	35.53	8.63	0.00
October 30, 2012	9.01	90.99	60.37	24.32	0.00	0.00

Maps showing the change of drought conditions across Wisconsin during October, 2012. Percentages of area covered by the different drought ratings are provided in the table. There was some improvement over most of Wisconsin for the month, but drought conditions worsened over portions of West Central and far North Central Wisconsin.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z065) WAUKESHA, (WI-Z069) ROCK

10/02/12 22:00 CST	0	Dense Fog
10/03/12 08:00 CST	0	

Light winds and abundant low-level moisture resulted in areas of dense fog developing over over portions of Southeast Wisconsin, and extreme southeast South Central Wisconsin, during the early morning hours of October 3rd. Visibilities fell to 1/4 mile or less in the dense fog.

(WI-Z056) SAUK, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z067) LAFAYETTE, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

Storm Data and Unusual Weather Phenomena - October 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	10/22/12 18:00 CST		0	Dense Fog
	10/23/12 08:00 CST		0	

Abundant low-level moisture converging along a stalled frontal boundary, in combination with light winds, led to the development of dense fog over all but the northern-most counties of South Central and Southeast Wisconsin during the evening hours of October 22nd. The dense fog continued into the morning hours of October 23rd. Visibilities fell to between 1/8 and 1/4 mile in the dense fog, creating difficult driving conditions.

(WI-Z046) MARQUETTE, (WI-Z047) GREEN LAKE, (WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z057) COLUMBIA, (WI-Z058) DODGE, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z071) RACINE, (WI-Z072) KENOSHA

10/23/12 17:00 CST	0	Dense Fog
10/24/12 09:00 CST	0	

Warm, moist air pooling along the stationary boundary that was the focus for dense fog the night before, spread northward behind the boundary as it slowly lifted north as a warm front. Visibilities fell to 1/4 mile or less with the dense fog as it developed over northeast sections of southern Wisconsin, roughly along and northeast of a Wisconsin Dells, Lake Mills to Twin Lakes line.

(WI-Z052) SHEBOYGAN, (WI-Z072) KENOSHA

10/30/12 05:00 CST	8K	Strong Wind (MAX 41 kt)
10/30/12 18:00 CST	0	

Deep surface low pressure associated with the remains of Hurricane Sandy, and Canadian high pressure building into the Northern Plains, created a tight surface pressure gradient over southern Wisconsin. With the resulting north winds accelerating over the waters of Lake Michigan, shoreline locations from Sheboygan to Kenosha experienced sustained winds of 25 to 30 mph, with gusts of 40 to 45 mph. Some minor beach erosion was reported in Kenosha County due to the high waves that were the result of the strong winds. Estimated waves heights along the Kenosha County shoreline ranged up to 8 to 10 feet. Wave heights diminished to 4 to 7 feet as one went north.